INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/36751

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G06F 017/60 US CL : 705/28	
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED	
Minimum documentation searched (classification system followed by classification symbols) U.S.: 705/28, 29	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT	
Category * Citation of document, with indication, where	
A US 6,442,276 A (Doljack) 27 August 2002 (27.08	.2002), See Entire Document.
A, P US 2004/0034579 A (Xu et al.) 19 February 2004	(19.02.2004), See Entire Document. 1-49
Further documents are listed in the continuation of Box C.	See patent family annex.
* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the
"A" document defining the general state of the art which is not considered to be of particular relevance	principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination
"O" document referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the art
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
02 May 2005 (02.05.2005)	Authorized officer Gerald J. O'Connor U Hand
Name and mailing address of the ISA/US	Authorized officer
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Gerald J. O'Connor U Hash
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Telephone No. None

Form PCT/ISA/210 (second sheet) (January 2004)